

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
24 February 2005 (24.02.2005)

PCT

(10) International Publication Number
WO 2005/016473 A3

(51) International Patent Classification⁷: **G07F 17/32**
(21) International Application Number:
PCT/US2004/025132

(22) International Filing Date: 3 August 2004 (03.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/638,578 11 August 2003 (11.08.2003) US

(71) Applicant (for all designated States except US): **IGT**
[US/US]; 9295 Prototype Drive, Reno, NV 89521-8986
(US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **WELLS, William, R.** [US/US]; 4450 Rio Encantado, Reno, NV 89502 (US).
PAULSEN, Craig, A. [US/US]; 1350 Monte Vista Drive,
Reno, NV 89511 (US).

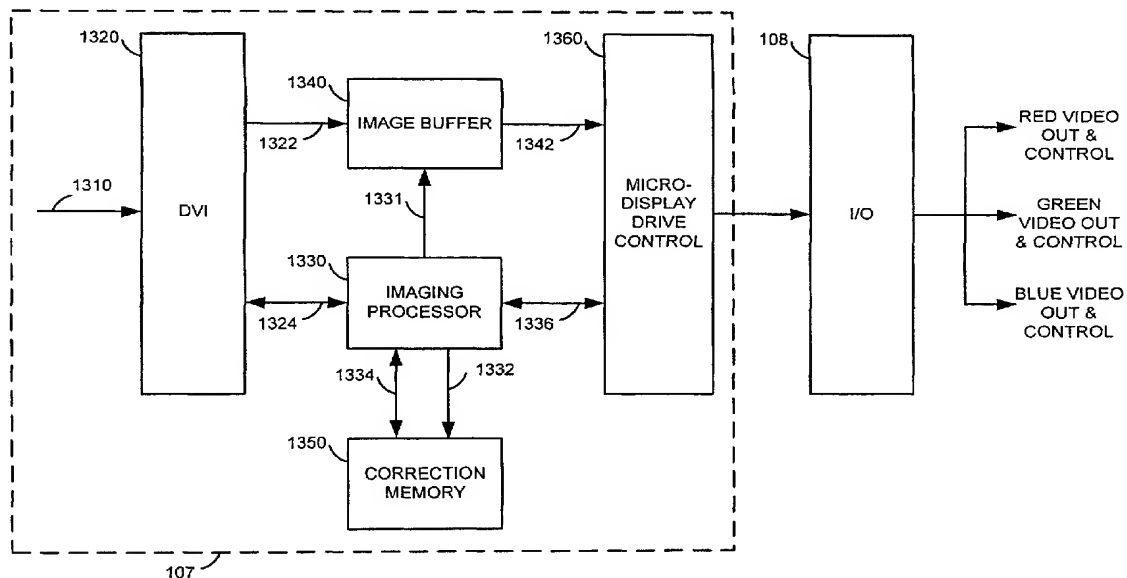
(74) Agent: **HIRSCH, Martin, J.**; Marshall, Gerstein &
Borun LLP, Suite 6300, Sears Tower, 233 S. Wacker Drive,
Chicago, IL 60606-6357 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: THREE-DIMENSIONAL IMAGE DISPLAY FOR A GAMING APPARATUS



(57) Abstract: A gaming apparatus may include a display unit capable of generating a non-planar, three-dimensional video image, a value input device, and a controller operatively coupled to the display unit and the value input device. The display unit may include a non-planar, three-dimensional display screen capable of displaying the non-planar, three-dimensional video images. The controller may comprise a processor and a memory, and may be programmed to allow a person to make a wager, to convert two-dimensional image data into three-dimensional image data, to cause a non-planar, three-dimensional video image to be generated on the display unit, and to determine a value payout associated with an outcome of a game.

WO 2005/016473 A3



Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(88) Date of publication of the international search report:

14 April 2005

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/025132

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G07F17/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 063 622 A (WMS GAMING, INC) 27 December 2000 (2000-12-27)	46-49
Y	figures 1,2	1-45
A	US 6 072 545 A (GRIBSCHAW ET AL) 6 June 2000 (2000-06-06)	46-49
Y	figure 8 column 4, line 20 - line 40 column 5, line 41 - line 64	1-45
E	EP 1 465 126 A (WMS GAMING, INC) 6 October 2004 (2004-10-06) the whole document	1-49
A	US 2002/067467 A1 (DORVAL RICK K ET AL) 6 June 2002 (2002-06-06) figure 1 paragraph '0045!	1-49
	-/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

14 February 2005

Date of mailing of the international search report

22/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Kemény, M

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/025132

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/008676 A1 (MIYAZAKI MAKOTO ET AL) 24 January 2002 (2002-01-24) figures 1,3,9,16 paragraph '0011! paragraph '0122! -----	1-49

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/US2004/025132

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1063622	A	27-12-2000	US 6358147 B1	19-03-2002
			AU 774321 B2	24-06-2004
			AU 3795000 A	04-01-2001
			CA 2308964 A1	23-12-2000
			EP 1063622 A2	27-12-2000
			ZA 200003144 A	25-01-2001
US 6072545	A	06-06-2000	AU 9675298 A	26-07-1999
			CN 1286869 T	07-03-2001
			EP 1066719 A1	10-01-2001
			JP 2002501219 T	15-01-2002
			WO 9935837 A1	15-07-1999
EP 1465126	A	06-10-2004	US 2004192430 A1	30-09-2004
			CA 2460213 A1	27-09-2004
			EP 1465126 A2	06-10-2004
US 2002067467	A1	06-06-2002	AU 8709401 A	22-03-2002
			AU 8709801 A	22-03-2002
			AU 8883801 A	22-03-2002
			AU 8920301 A	22-03-2002
			EP 1316225 A2	04-06-2003
			EP 1316063 A2	04-06-2003
			EP 1316070 A2	04-06-2003
			JP 2004508640 T	18-03-2004
			JP 2004514964 T	20-05-2004
			JP 2004508779 T	18-03-2004
			TW 498182 B	11-08-2002
			TW 581977 B	01-04-2004
			WO 0221489 A2	14-03-2002
			WO 0221851 A2	14-03-2002
			WO 0221439 A2	14-03-2002
			WO 0221448 A2	14-03-2002
			US 2002196253 A1	26-12-2002
			US 2002070943 A1	13-06-2002
			US 2002105518 A1	08-08-2002
US 2002008676	A1	24-01-2002	JP 2001346227 A	14-12-2001